

Version with markings to show changes made:

IN THE SPECIFICATION:

Please replace the text of the last paragraph on page 4 and the first paragraph on page 5 with the following text:

In the above formula, Fl is a fluorophore, N is a nitrogen atom, Bd1 and Bd2 are independently selected binding groups, Sp is an aliphatic spacer, and An is an anchor group for attaching the sensor to solid substrates. n, m, x, and y are integers, where n = 1 or 2, m = 1 or 2, and y=1 or 2 [x is an integer]. The binding groups are capable of binding an analyte molecule to form a stable 1:1 complex. Examples of binding groups include, but are not limited to, [one] boronic acid, [one] crown ether, and aza-crown [ethers] ether, such as 1,4,7,10,13-Pentaoxa-16-aza-cyclooctadecane (aza 18-crown-6) and 1,4,7,13-tetraoxa-10-aza-cyclohexadecane (aza 15-crown-5). In a preferred embodiment, the Bd1 is R1-B(OH)2 and Bd2 is R2-B(OH)2. R1 and R2 are aliphatic or aromatic functional groups selected independently from each other and B is a boron atom.

Please replace the text of the first full paragraph on page 8 with the following text:

In the present invention, the binding groups may be any functional groups, as long as they provide the desired specific binding of the analyte to the sensor with a formation of 1:1 complex. The binding groups are preferably electron deficient groups. The electron deficiency governs the shift of the unshared electron pair from the nitrogen atoms to the binding group when specifically binding the analyte. Examples of the acceptable binding groups include, but are not limited to, [one] boronic acid, [one] crown ether, and aza-crown [ethers] ether, such as 1,4,7,10,13-Pentaoxa-16-aza-cyclooctadecane (aza 18-crown-6) and 1,4,7,13-tetraoxa-10-aza-cyclohexadecane (aza 15-crown-5). Examples of analytes that may be identified by

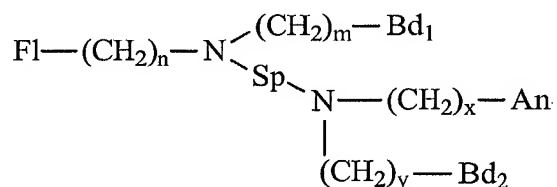
utilizing sensors of the present invention include, but are not limited to, saccharides, amino saccharides, and carbonyl saccharides.

IN THE CLAIMS:

Please replace the text of claim 33 with the following text:

33. (Amended) A method of labeling solid substrates, comprising:

- (a) providing a solid substrate;
- (b) providing the modular fluorescence sensor [of claim 1,] having the following general formula:



wherein:

Fl is a fluorophore;

N is a nitrogen atom;

Bd₁ and Bd₂ are independently selected binding groups, wherein the binding groups are capable of binding an analyte molecule to form a stable 1:1 complex;

Sp is an aliphatic spacer;

n, m, x, and y are integers, where n = 1 or 2, m = 1 or 2, and y = 1 or 2; and

An is an anchor group capable of being attached to the solid substrate;

- (c) reacting the sensor with the solid substrate under a condition sufficient to attach the sensor to the substrate.